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- › [Canon USA](#) /
- › [Canon EOS R6 Full-Frame Mirrorless Camera Instruction Manual](#)

Canon USA 4082C002

# Canon EOS R6 Full-Frame Mirrorless Camera Instruction Manual

Brand: Canon USA

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Canon EOS R6 Full-Frame Mirrorless Camera. The EOS R6 is designed for high-performance photography and videography, featuring a 20 Megapixel Full-frame CMOS Sensor, DIGIC X Image Processor, and advanced autofocus capabilities.



Figure 1.1: Front view of the Canon EOS R6 camera body, showcasing the lens mount and grip.

## 2. SETUP

### 2.1. What's in the Box

The Canon EOS R6 (Body Only) package typically includes the following components:

- Canon EOS R6 Camera Body
- Battery Pack LP-E6NH
- Battery Charger LC-E6
- Strap ER-EOS R6
- Interface Cable IFC-100U
- Cable Protector



Figure 2.1: Typical contents included with the Canon EOS R6 camera body.

### 2.2. Battery Installation and Charging

1. Open the battery compartment cover located at the bottom of the camera.
2. Insert the LP-E6NH battery pack with the electrical contacts facing inward, ensuring it clicks into place.
3. Close the battery compartment cover.
4. To charge, insert the battery into the LC-E6 charger and plug the charger into a power outlet. The charging indicator light will show the charging status.

### 2.3. Memory Card Installation

The EOS R6 features dual UHS-II SD memory card slots.

1. Open the memory card slot cover on the side of the camera.
2. Insert the SD card(s) into the slots with the label facing the front of the camera until they click into place.

3. Close the memory card slot cover.



Figure 2.2: Dual UHS-II SD memory card slots on the Canon EOS R6.

## 2.4. Attaching a Lens

Align the red or white index mark on the lens with the corresponding mark on the camera's lens mount. Rotate the lens clockwise until it clicks into place.

## 3. OPERATING THE CAMERA

### 3.1. Power On/Off

Locate the ON/OFF switch on the top left side of the camera body and slide it to the 'ON' or 'OFF' position.



Figure 3.1: Top controls of the Canon EOS R6, including the ON/OFF switch.

## 3.2. Basic Photography Modes

The mode dial on the top of the camera allows selection of various shooting modes:

- **P (Program AE):** Camera sets aperture and shutter speed automatically.
- **Tv (Shutter-priority AE):** You set shutter speed, camera sets aperture.
- **Av (Aperture-priority AE):** You set aperture, camera sets shutter speed.
- **M (Manual Exposure):** You set both aperture and shutter speed.
- **C1/C2/C3 (Custom Shooting Modes):** Register frequently used settings for quick recall.

## 3.3. Autofocus System

The EOS R6 features Dual Pixel CMOS AF II with approximately 100% coverage and 1,053 Automatic AF Zones. It supports advanced subject tracking:

- **Eye, Face, and Head Detection AF:** For tracking human subjects.
- **Animal Detection AF:** For tracking the whole body, face, or eye of cats, dogs, or birds.

## 3.4. In-Body Image Stabilization (IBIS)

The camera incorporates a 5-axis In-Body Image Stabilizer, providing up to 8-stops of shake correction with compatible lenses, enhancing stability for both photos and videos, especially in low light.

## 3.5. Video Recording

The EOS R6 supports high-quality video recording:

- **4K UHD:** Up to 60P
- **Full HD:** Up to 120P

It also offers internally recorded 4:2:2 10-bit Canon Log or HDR-PQ recording for advanced color grading.

## 3.6. Connectivity

The camera includes built-in Wi-Fi and Bluetooth for wireless image transfer, remote control, and automatic backup options.



Figure 3.2: Rear controls and LCD screen of the Canon EOS R6.

## 4. MAINTENANCE

### 4.1. Cleaning the Camera

- Use a soft, lint-free cloth to clean the camera body.
- For the LCD screen, use a screen-specific cleaner and cloth.
- For the sensor, use a blower brush to remove dust. For stubborn dust, professional cleaning is recommended.

### 4.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.

### 4.3. Storage

When storing the camera for extended periods, remove the battery and memory cards. Store the camera in a dry, dust-free environment, ideally with desiccant packets to prevent mold and mildew.

## 5. TROUBLESHOOTING

### Common Issues and Solutions

Issue	Possible Cause	Solution
Camera does not power on	Battery is depleted or incorrectly inserted.	Charge the battery fully and ensure it is inserted correctly.
Images are blurry	Incorrect focus, camera shake, or low shutter speed.	Check focus mode, use image stabilization, increase shutter speed, or use a tripod.
Memory card error	Card is full, corrupted, or incompatible.	Format the card ( <i>will erase data</i> ), try a different card, or ensure it's a compatible UHS-II SD card.
Video recording stops unexpectedly	Memory card write speed is too slow or camera overheating.	Use a faster UHS-II SD card. Allow camera to cool down if overheating.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	4082C002
Sensor	20 Megapixel Full-frame CMOS Sensor
Image Processor	DIGIC X
ISO Range	100-102,400 (Expandable to 204,800)
Continuous Shooting	Up to 12 fps (Mechanical Shutter), Up to 20 fps (Electronic Shutter)
Autofocus System	Dual Pixel CMOS AF II (approx. 100% coverage, 1,053 AF areas)
Image Stabilization	5-axis In-Body Image Stabilizer (up to 8-stops correction)
Video Resolution	4K UHD 60P, Full HD 120P
Memory Card Slots	Dual UHS-II SD
Connectivity	Wi-Fi, Bluetooth
Dimensions (W x H x D)	5.45 x 3.84 x 3.48 inches
Weight	1.5 pounds (body only)
Compatible Mountings	Canon RF
Supported File Format	JPEG, Raw, HEIF

## 7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Canon USA website or the warranty card included with your product. You can also find the comprehensive user manual in PDF format for further details:

[Download Full User Manual \(PDF\)](#)

